

#16

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4880002	APPLICATION NO. 09/653,277
	APPLICANT Chiocca and Chung	
	FILING DATE August 31, 2000	GROUP To Be Assigned 1632

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
7w	AA1	5,288,641	02/22/1994	Roizman	435	320.1	07/30/1992
7w	AB1	5,585,096	12/17/1996	Martuza et al. (of record)	424	93.2	06/23/1994
	AC1	5,688,773	11/18/1997	Chiocca et al. Duplicate	514	44	10/28/1994
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
7w	AL1	WO 96/00007	01/04/1996	WIPO			Yes No
1	AM1	WO 96/03997	02/15/1996	WIPO			Yes No
	AN1	WO 97/04804	02/13/1997	WIPO			Yes No
	AO1	WO 98/42195	10/02/1998	WIPO (of record)			Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
7w	AR	<u>1</u>	Abe, M. and Kufe, D., "Characterization of Cis-Acting Elements Regulating Transcription of the Human DF3 Breast Carcinoma-Associated Antigen (MUC1) Gene," <i>Proc. Natl. Acad. Sci. USA</i> 90:282-286 (1993).
1	AS	<u>1</u>	Albarracin, C.T., et al., "The Gonadotropin-Releasing Hormone Receptor Gene Promoter Directs Pituitary-Specific Oncogene Expression in Transgenic Mice," <i>Endocrinology</i> 140:2415-2421 (May 1999).
1	AT	<u>1</u>	Amizuka, N., et al., "Vitamin D3 Differentially Regulates Parathyroid Hormone/Parathyroid Hormone-Related Peptide Receptor Expression in Bone and Cartilage," <i>J. Clin. Invest.</i> 103:373-381 (February 1999).

EXAMINER Joe W. [Signature]	DATE CONSIDERED 4/24/03
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96	AR	2	Andreansky, S.S., et al., "The Application of Genetically Engineered Herpes Simplex Viruses to the Treatment of Experimental Brain Tumors," <i>Proc. Natl. Acad. Sci. USA</i> 93:11313-11318 (1996).				
1	AS	2	Arbuthnot, P., et al., "Hepatoma Cell-Specific Expression of a Retrovirally Transferred Gene is Achieved by Alpha-Fetoprotein but not Insulinlike Growth Factor II Regulatory Sequences," <i>Hepatology</i> 22:1788-1796 (1995).				
1	AT	2	Bennett, J.D., et al., "E2F Binding is Required but Not Sufficient for Repression of B-myb Transcription in Quiescent Fibroblasts," <i>Oncogene</i> 13:1073-1082 (1996).				

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96	AR	<u>3</u>	Bischoff, J.R., et al., "An Adenovirus Mutant That Replicates Selectively in p53-Deficient Human Tumor Cells," <i>Science</i> 274:373-376 (1996).
1	AS	<u>3</u>	Boviatsis, E.J., et al., "Long-Term Survival of Rats Harboring Brain Neoplasms Treated with Ganciclovir and a Herpes Simplex Virus Vector that Retains an Intact Thymidine Kinase Gene," <i>Cancer Res.</i> 54:5745-5751 (1994).
1	AT	<u>3</u>	Boviatsis, E.J., et al., "Antitumor Activity and Reporter Gene Transfer into Rat Brain Neoplasms Inoculated with Herpes Simplex Virus Vectors Defective in Thymidine Kinase or Ribonucleotide Reductase," <i>Gene Ther.</i> 1:323-331 (1994).

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96	AR	4	Burns, J.C., et al., "Vesicular stomatitis virus G glycoprotein pseudotyped retroviral vectors: Concentration to very high titer and efficient gene transfer into mammalian and nonmammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> 90:8033-8037 (1993).
1	AS	4	Caruso, M., et al., "Regression of established macroscopic liver metastases after in situ transduction of a suicide gene," <i>Proc. Natl. Acad. Sci. USA</i> 90:7024-7028 (1993).
1	AT	4	Chambers, R., et al., "Comparison of genetically engineered herpes simplex viruses for the treatment of brain tumors in a scid mouse model of human malignant glioma," <i>Proc. Natl. Acad. Sci. USA</i> 92: 1411-1415 (1995). (of record)

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96	AR	5	Chase, M., et al., "An oncolytic viral mutant that delivers the CYP2B1 transgene and augments cyclophosphamide chemotherapy," <i>Nature Biotechnol.</i> 16:444-448 (1998).
1	AS	5	Chen, S.H., et al., "Gene Therapy for Brain Tumors: Regression of Experimental Gliomas by Adenovirus-Mediated Gene Transfer In Vivo," <i>Proc. Natl. Acad. Sci. USA</i> 91:3054-3057 (1994).
1	AT	5	Chen, L., et al., "Breast Cancer Selective Gene Expression and Therapy Mediated by Recombinant Adenoviruses Containing the DF3/MUC1 Promoter," <i>J. Clin. Invest.</i> 96:2775-2782 (1995).

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96	AR	6	Chen, L., and Waxman, D.J., "Intratumoral Activation and Enhanced Chemotherapeutic Effect of Oxazaphosphorines following Cytochrome P-450 Gene Transfer: Development of a Combined Chemotherapy/Cancer Gene Therapy Strategy," <i>Cancer Res.</i> 55:581-589 (1995).
1	AS	6	Chen, L., et al., "Sensitization of Human Breast Cancer Cells to Cyclophosphamide and Ifosfamide by Transfer of a Liver Cytochrome P450 Gene," <i>Cancer Res.</i> 56:1331-1340 (1996).
1	AT	6	Chou, J. and Roizman, B., "The $\gamma_1(34.5)$ Gene of Herpes Simplex Virus 1 Precludes Neuroblastoma Cells from Triggering Total Shutoff of Protein Synthesis Characteristic of Programmed Cell Death in Neuronal Cells," <i>Proc. Natl. Acad. Sci. USA</i> 89:3266-3270 (1992).

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76	AR	1	Chou, J., et al., "Association of a M _r 90,000 Phosphoprotein with Protein Kinase PKR in Cells Exhibiting Enhanced Phosphorylation of Translation Initiation Factor eIF-2 Alpha and Premature Shutoff of Protein Synthesis After Infection with Gamma 134.5- Mutants of Herpes Simplex Virus 1," <i>Proc. Natl. Acad. Sci. USA</i> 92:10516-10520 (1995).				
	AS	1	Chung, R.Y. and Chiocca, E.A., "Gene Therapy for Tumors of the Central Nervous System," <i>Surg. Oncol. Clin. N. Am.</i> 7:589-602 (1998).				
	AT	1	Chung, R.Y., et al., <i>duplicate</i> "B-myb Promoter Retargeting of Herpes Simplex Virus γ34.5 Gene-Mediated Virulence Toward Tumor and Cycling Cells," <i>J. Virol.</i> 73:7556-7564 (September 1999). (of record)				

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9W	AR	8	Clary, B.M., et al., "Transcriptional Targeting for Cancer Gene Therapy," <i>Surg. Oncol. Clin. N. Am.</i> 7:565-574 (1998).
	AS	8	Coffey, M.C., et al., "Reovirus Therapy of Tumors with Activated Ras Pathway," <i>Science</i> 282:1332-1334 (1998).
	AT	8	Coll-Fresno, P.M., et al., "Cytotoxic Activity of a Diphtheria Toxin/FGF6 Mitotoxin on Human Tumour Cell Lines," <i>Oncogene</i> 14:243-247 (1997).

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9w	AR	9	Colombo, M.P., et al., "Immunotherapy. I: Cytokine Gene Transfer Strategies," <i>Cancer Metastasis Rev.</i> 16:421-432 (1997).
1	AS	9	Connors, T.A., "The Choice of Prodrugs for Gene Directed Enzyme Prodrug Therapy of Cancer," <i>Gene Ther.</i> 2:702-709 (1995).
1	AT	9	Culver, K.W., "Clinical applications of gene therapy for cancer," <i>Clin. Chem</i> 40:510-512 (1994).

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76	AR	<u>10</u>	Dachs, G.U., et al., "Targeting Gene Therapy to Cancer: A Review," <i>Oncol. Res.</i> 9:313-325 (1997).
1	AS	<u>10</u>	Dehal, S.S., et al., "CYP2D6 Catalyzes Tamoxifen 4-hydroxylation in Human Liver," <i>Cancer Res.</i> 57:3402-3406 (1997).
1	AT	<u>10</u>	Deonarain, M.P., et al., "Genetic Delivery of Enzymes for Cancer Therapy," <i>Gene Therapy</i> 2: 235-244 (1995).

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960	AR	<u>11</u>	Ezzeddine, Z.D., et al., "Selective Killing of Glioma Cells in Culture and <i>in Vivo</i> by Retrovirus Transfer of the Herpes Simplex Virus Thymidine Kinase gene," <i>New Biol.</i> 3:608-614 (1991).
1	AS	<u>11</u>	Fakhrai, H., et al., "Eradication of Established Intracranial Rat Gliomas by Transforming Growth Factor β Antisense Gene Therapy," <i>Proc. Natl. Acad. Sci. USA</i> 93:2909-2914 (1996).
1	AT	<u>11</u>	Freeman, S.M., et al., "In Situ Use of Suicide Genes for Cancer Therapy," <i>Semin. Oncol.</i> 23:31-45 (1996).

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<u>9W</u>	AR	<u>12</u>	Freytag, S.O., et al., "A Novel Three-Pronged Approach to Kill Cancer Cells Selectively: Concomitant Viral, Double Suicide Gene, and Radiotherapy," <i>Hum. Gene Ther.</i> 9:1323-1333 (1998).
<u>7</u>	AS	<u>12</u>	Friedlos, F. et al., "Mustard Prodrugs for Activation by <i>Escherichia coli</i> Nitroreductase in Gene-Directed Enzyme Prodrug Therapy," <i>J Med Chem</i> 40:1270-1275 (1997).
<u>1</u>	AT	<u>12</u>	Gage, P.J., et al., "A Cell-Free Recombination System for Site-Specific Integration of Multigenic Shuttle Plasmids Into the Herpes Simplex Virus Type 1 Genome," <i>J. Virol.</i> 66:5509-5515 (1992).

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76	AR	13	Gale, M., et al., "Control of PKR Protein Kinase by Hepatitis C Virus Nonstructural 5A Protein: Molecular Mechanisms of Kinase Regulation," <i>Mol. Cell. Biol.</i> 18:5208-5218 (1998).
1	AS	13	Glorioso, J.C., et al., "Herpes simplex virus-based vectors," <i>Seminars in Virology</i> 3:265-276 (1992).
1	AT	13	Glorioso, J.C., et al., "Development and Application of Herpes Simplex Virus Vectors for Human Gene Therapy," <i>Annu. Rev. Microbiol.</i> 49:675-710 (1995).

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96	AR	14	Goeptar, A.R., et al., "Cytotoxicity of Mitomycin C and Adriamycin in Freshly Isolated Rat Hepatocytes: The Role of Cytochrome P450," <i>Cancer Res.</i> 54:2411-2418 (1994).
7	AS	14	Goldstein, D.J. and Weller, S.K., "Herpes Simplex Virus Type 1-Induced Ribonucleotide Reductase Activity is Dispensable for Virus Growth and DNA Synthesis: Isolation and Characterization of an ICP6 <i>lacZ</i> Insertion Mutant," <i>J. Virol.</i> 62:196-205 (1988).
7	AT	14	Goldstein, D.J. and Weller, S.K., "An ICP6:: <i>lacZ</i> Insertional Mutagen is Used to Demonstrate That the UL52 Gene of Herpes Simplex Virus Type 1 is Required for Virus Growth and DNA Synthesis," <i>J. Virol.</i> 62:2970-2977 (1988).

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	FILING DATE August 31, 2000	GROUP To Be Assigned <u>1632</u>

U.S. PATENT DOCUMENTS							
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<u>96</u>	AR	<u>15</u>	Guillot, P.V., et al., "A Vascular Bed-Specific Pathway Regulates Cardiac Expression of Endothelial Nitric Oxide Synthase," <i>J. Clin. Invest.</i> 103:799-805 (March 1999).
<u>1</u>	AS	<u>15</u>	Hallenbeck, P.L., et al., "A Novel Tumor-Specific Replication-Restricted Adenoviral Vector for Gene Therapy of Hepatocellular Carcinoma," <i>Hum. Gene Ther.</i> 10:1721-1733 (July 1999).
<u>1</u>	AT	<u>15</u>	Hart, I.R., et al., "Targeted Therapy for Malignant Melanoma," <i>Curr. Opin. Oncol.</i> 6:221-225 (1994).

EXAMINER

Joe W. Winters

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9W	AR	<u>16</u>	Hart, I.R., "Tissue Specific Promoters in Targeting Systemically Delivered Gene Therapy," <i>Semin. Oncol.</i> 23:154-158 (1996).
 	AS	<u>16</u>	He, B., et al., "The $\gamma_134.5$ Protein of Herpes Simplex Virus 1 Has the Structural and Functional Attributes of a Protein Phosphatase 1 Regulatory Subunit and is Present in a High Molecular Weight Complex with the Enzyme in Infected Cells," <i>J. Biol. Chem.</i> 273:20737-20743 (1998).
 	AT	<u>16</u>	Hollywood, D, and Hurst, H., "A Novel Transcription Factor, OB2-1, is Required for Overexpression of the Proto-Oncogene c-erbB-2 in Mammary Tumour Lines," <i>EMBO J</i> 12:2369-2375 (1993).

EXAMINER Joe W. Winters	DATE CONSIDERED 4/24/03
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

96	AR	<u>17</u>	Hunter, W.D., et al., "Attenuated, Replication-Competent Herpes Simplex Virus Type 1 Mutant G207: Safety Evaluation of Intracerebral Injection in Nonhuman Primates," <i>J. Virol.</i> 73:6319-6326 (August 1999).
7	AS	<u>17</u>	Hwang, J.J., et al., "Novel Retroviral Vector Transferring a Suicide Gene and a Selectable Marker Gene with Enhanced Gene Expression by Using a Tetracycline-Responsive Expression System," <i>J. Virol.</i> 70:8138-8141 (1996).
	AT	<u>17</u>	Ikeda, K., et al., "Oncolytic Virus Therapy of Multiple Tumors in the Brain Requires Suppression of Innate and Elicited Antiviral Responses," <i>Nat. Med.</i> 5:881-887 (1999).

EXAMINER <i>Joe W. [Signature]</i>	DATE CONSIDERED 7/24/03
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<u>76</u>	AR	<u>18</u>	Jain, R.K., "Delivery of Molecular Medicine to Solid Tumors," <i>Science</i> 271:1079-1080 (1996).
<u>1</u>	AS	<u>18</u>	Jérôme, V., and Müller, R., "Tissue-Specific, Cell Cycle-Regulated Chimeric Transcription Factors for the Targeting of Gene Expression to Tumor Cells," <i>Hum. Gene Ther.</i> 9:2653-2659 (1998).
<u>1</u>	AT	<u>18</u>	Johnson, P.A., et al., "Cytotoxicity of a Replication-Defective Mutant of Herpes Simplex Virus Type 1," <i>J. Virol.</i> 66:2952-2965 (1992).

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96	AR	19	Kappel, A., et al., "Identification of Vascular Endothelial Growth Factor (VEGF) Receptor-2 (Flk-1) Promoter/Enhancer Sequences Sufficient for Angioblast and Endothelial Cell-Specific Transcription in Transgenic Mice," <i>Blood</i> 93:4284-4292 (June 1999).
1	AS	19	Kesari, S., et al., "Therapy of Experimental Human Brain Tumors Using a Neuroattenuated Herpes Simplex Virus Mutant," <i>Lab. Invest.</i> 73:636-648 (1995).
1	AT	19	Kooby, D.A., et al., "Oncolytic Viral Therapy for Human Colorectal Cancer and Liver Metastases Using a Multi-Mutated Herpes Simplex Virus Type-1 (G207)," <i>FASEB J.</i> 13:1325-1334 (August 1999).

EXAMINER <i>Joe W. Wilentz</i>	DATE CONSIDERED <i>4/24/03</i>
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96	AR	20	Kramm, C.M., et al., "Therapeutic Efficiency and Safety of a Second-Generation Replication-Conditional HSV1 Vector for Brain Tumor Gene Therapy," <i>Hum. Gene Ther.</i> 8:2057-2068 (1997).
1	AS	20	Lam, E.W., et al., "Cell-cycle regulation of human B-myb transcription," <i>Gene</i> 160:277-281 (1995).
1	AT	20	Lan, K-H., et al., "In Vivo Selective Gene Expression and Therapy Mediated by Adenoviral Vectors for Human Carcinoembryonic Antigen-producing Gastric Carcinoma," <i>Cancer Res.</i> 57:4279-4284 (1997).

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	AP						Yes No

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96	AR	21	LeBlanc, G.A. and Waxman, D.J., "Interaction of Anticancer Drugs with Hepatic Monooxygenase Enzymes," <i>Drug Metab. Rev.</i> 20:395-439 (1989).
1	AS	21	Lorence, R.M. et al., "Complete Regression of Human Neuroblastoma Xenografts in Athymic Mice After Local Newcastle Disease Virus Therapy," <i>J. Natl. Cancer. Inst.</i> 86:1228-1233 (1994).
1	AT	21	Lukas, J., et al., "Deregulated Expression of E2F Family Members Induces S-phase Entry and Overcomes p16INK4A-Mediated Growth Suppression," <i>Mol. Cell. Biol.</i> 16:1047-1057 (1996).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

96	AR	22	Lundwall, A., "Characterization of the Gene for Prostate-Specific Antigen, a Human Glandular Kallikrein," <i>Biochem. Biophys. Res. Commun.</i> 161:1151-1156 (1989).
1	AS	22	Lyon, J., et al., "The Role of Myb Proteins in Normal and Neoplastic Cell Proliferation," <i>Crit. Rev. Oncogenesis</i> 5:373-388 (1994).
1	AT	22	Manome, Y., et al., "Gene therapy for malignant gliomas using replication incompetent retroviral and adenoviral vectors encoding the cytochrome P450 2B1 gene together with cyclophosphamide," <i>Gene Therapy</i> 3:513-520 (1996).

EXAMINER <u>Joe W. [Signature]</u>	DATE CONSIDERED <u>1/24/03</u>
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	AM						Yes No
	AN						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<u>96</u>	AR	<u>23</u>	Markert, J.M., et al. "Expanded Spectrum of Viral Therapy in the Treatment of Nervous System Tumors," J. Neurosurg. 77:590-594 (1992).
<u>1</u>	AS	<u>23</u>	Martuza, R.L., et al., "Experimental Therapy of Human Glioma by Means of a Genetically Engineered Virus Mutant," Science 252:854-856 (1991).
<u>1</u>	AT	<u>23</u>	Martuza, R.L., "Conditionally Replicating Herpes Vectors For Cancer Therapy," J. Clin. Invest. 105:841-846 (April 2000).

EXAMINER <u>Joe W. [Signature]</u>	DATE CONSIDERED <u>4/24/03</u>
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

96	AR	24	Massie, B., et al., "Inducible Overexpression of a Toxic Protein by an Adenovirus Vector with a Tetracycline-Regulatable Expression Cassette," J. Virol. 72:2289-2296 (1998).
1	AS	24	McLauchlan, J., and Clements, J.B., "Organization of the Herpes Simplex Virus Type 1 Transcription Unit Encoding Two Early Proteins with Molecular Weights of 140000 and 40000," J. Gen. Virol. 64:997-1006 (1983).
	AT	24	Miller, N., and Vile, R., "Targeted vectors for gene therapy," FASEB J. 9:190-199 (1995).

EXAMINER <i>Joe W. Butcher</i>	DATE CONSIDERED <i>7/24/03</i>
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96	AR	25	Miller, N. and Whelan, J., "Progress in Transcriptionally Targeted and Regulatable Vectors for Genetic Therapy," <i>Hum. Gene Ther.</i> 8:803-815 (1997).
7	AS	25	Mineta, T., et al., "Treatment of Malignant Gliomas Using Ganciclovir-Hypersensitive, Ribonucleotide Reductase-Deficient Herpes Simplex Viral Mutant," <i>Cancer Res.</i> 54:3963-3966 (1994).
7	AT	25	Mineta, T., et al., "Attenuated Multi-Mutated Herpes Simplex Virus-1 for the Treatment of Malignant Gliomas," <i>Nature Med</i> 1:938-943 (1995).

EXAMINER <i>C. J. W. [Signature]</i>	DATE CONSIDERED 4/24/03
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96	AR	26	Miyatake, S., et al., "Transcriptional Targeting of Herpes Simplex Virus for Cell-Specific Replication," <i>J. Virol.</i> 71:5124-5132 (1997).
1	AS	26	Mohr, I. and Bluzman, Y., "A Herpesvirus Genetic Element Which Affects Translation in the Absence of the Viral GADD34 Function," <i>EMBO J.</i> 15:4759-4766 (1996).
1	AT	26	Moolten, F.L. and Wells, J.M., "Curability of Tumors Bearing Herpes Thymidine Kinase Genes Transferred by Retroviral Vectors," <i>J. Natl. Cancer Inst.</i> 82:297-300 (1990).

EXAMINER <i>Joe Winters</i>	DATE CONSIDERED <i>4/24/03</i>
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<i>9w</i>	AR	<u>27</u>	Moolten, F.L., "Drug sensitivity ("suicide") genes for selective cancer chemotherapy," <i>Cancer Gene Ther.</i> 1:279-287 (1994).
<i>1</i>	AS	<u>27</u>	Mullen, C.A., et al., "Tumors Expressing the Cytosine Deaminase Suicide Gene Can Be Eliminated in Vivo with 5-Fluorocytosine and induce protective immunity to Wild Type Tumor," <i>Cancer Res.</i> 54:1503-1506 (1994).
<i>1</i>	AT	<u>27</u>	Nagayama, Y., et al., "Enhanced Efficacy of Transcriptionally Targeted Suicide Gene/Prodrug Therapy for Thyroid Carcinoma with the Cre-loxP System," <i>Cancer Res.</i> 59:3049-3052 (July 1999).

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96	AR	28	Ng, S.F. and Waxman D.J., "Activation of thio-TEPA cytotoxicity toward human breast cancer cells by hepatic cytochrome P450," <i>Intl. J. Oncology</i> 2:731-738 (1993).
1	AS	28	Nilaver, G., et al., "Delivery of Herpesvirus and Adenovirus to Nude Rat Intracerebral Tumors After Osmotic Blood-Brain Barrier Disruption," <i>Proc. Natl. Acad. Sci. USA</i> 92: 9829-9833 (1995).
	AT	28	O'Malley, B.W., Jr., et al., "Combination Gene Therapy for Oral Cancer in a Murine Model," <i>Cancer Res.</i> 56:1737-1741 (1996).

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	AP						Yes No

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910	AR	<u>29</u>	Oldfield, E., et al., "Gene Therapy for the Treatment of Brain Tumors Using Intra-Tumoral Transduction with the Thymidine Kinase Gene and Intravenous Ganciclovir," <i>Hum. Gene Ther.</i> 4:39-69 (1993).
1	AS	<u>29</u>	Osaki, T., et al., "Gene Therapy for Carcinoembryonic Antigen-Producing Human Lung Cancer Cells by Cell Type-Specific Expression of Herpes Simplex Virus Thymidine Kinase Gene," <i>Cancer Res.</i> 54:5258-5261 (1994).
1	AT	<u>29</u>	Perng, G.-C., et al., "An Avirulent ICP34.5 Deletion Mutant of Herpes Simplex Virus Type 1 Is Capable of In Vivo Spontaneous Reactivation," <i>J. Virol.</i> 69:3033-3041 (1995).

EXAMINER

Joe W. Bulad

DATE CONSIDERED

8/24/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4880002	APPLICATION NO. 09/653,277
	APPLICANT Chiocca and Chung	
	FILING DATE August 31, 2000	GROUP To Be Assigned 1632

U.S. PATENT DOCUMENTS							
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	AL						Yes No
	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
9w	AR	30	Pyles, R.B. and Thompson, R.I., "Evidence That the Herpes Simplex Virus Type 1 Uracil DNA Glycosylase is Required for Efficient Viral Replication and Latency in the Murine Nervous System," <i>J. Virol.</i> 68:4963-4972 (1994).
1	AS	30	Pyles, R.B., et al., "A Novel Multiply-Mutated HSV-1 Strain for the Treatment of Human Brain Tumors," <i>Hum. Gene Ther.</i> 8:533-544 (1997).
1	AT	30	Rainov, N.G., et al., "Retrovirus-Mediated Gene Therapy of Experimental Brain Neoplasms Using the Herpes Simplex Virus-Thymidine Kinase/Ganciclovir Paradigm," <i>Cancer Gene Therapy</i> 3:99-106 (1996).

EXAMINER <i>Joe Whitlatch</i>	DATE CONSIDERED <i>4/24/03</i>
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

9W	AR	31	Rainov, N.G., et al., "New Prodrug Activation Gene Therapy for Cancer Using Cytochrome P450 4B1 and 2-aminoanthracene/4-ipomeanol," <i>Hum. Gene Ther.</i> 9:1261-1273 (1998).
	AS	31	Ram, Z., et al., "Therapy of Malignant Brain Tumors by Intratumoral Implantation of Retroviral Vector-Producing Cells," <i>Nature Medicine</i> 3:1354-1361 (1997).
	AT	31	Ray, M.K., et al., " β Cell-Specific Ablation of Target Gene Using Cre-loxP System in Transgenic Mice," <i>J. Surg. Res.</i> 84:199-203 (June 1999).

EXAMINER	<i>Joe W. Waitak</i>	DATE CONSIDERED	7/24/03
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

7w	AR	<u>32</u>	Rodriguez, R., et al., "Prostate Attenuated Replication Competent Adenovirus (ARCA) CN706: A Selective Cytotoxic for Prostate-Specific Antigen-Positive Prostate Cancer Cells," <i>Cancer Res.</i> 57:2559-2563 (1997).
1	AS	<u>32</u>	Roizman, B. and Jenkins, F.J., "Genetic Engineering of Novel Genomes of Large DNA Viruses," <i>Science</i> 229:1208-1214 (1985).
1	AT	<u>32</u>	Rosenberg, S.A., et al., "Human Gene Marker/Therapy Clinical Protocols," <i>Hum. Gene Ther.</i> 11:919-979 (April 2000).

EXAMINER <i>James W. Winters</i>	DATE CONSIDERED 4/24/03
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

9W	AR	<u>33</u>	Roth, J.A., et al., "Retrovirus-Mediated Wild-Type p53 Gene Transfer to Tumors of Patients with Lung Cancer," <i>Nature Med.</i> 2:985-991 (1996).
 	AS	<u>33</u>	Roth, J.A. and Cristiano, R.J., "Gene Therapy for Cancer: What Have We Done and Where are We Going?" <i>J. Natl. Cancer Inst.</i> 89:21-39 (1997).
 	AT	<u>33</u>	Schnierle, B.S. and Groner, B., "Retroviral Targeted Delivery," <i>Gene Therapy</i> 3:1069-1073 (1996).

EXAMINER

Joe W. Wilbur

DATE CONSIDERED

4/24/03

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96	AR	34	Spear, M.A., et al., "Targeting gene therapy vectors to CNS malignancies," <i>J. NeuroVirol.</i> 4:133-147 (1998).
1	AS	34	Spear, M.A., "Gene Therapy of Gliomas: Receptor and transcriptional Targeting," <i>Anticancer Research</i> 18:3223-3232 (1998).
1	AT	34	Toda, M., et al., "In Situ Cancer Vaccination: An IL-12 Defective Vector/Replication-Competent Herpes Simplex Virus Combination Induces Local and Systemic Antitumor Activity," <i>J. Immunol.</i> 160:4457-4464 (1998).

EXAMINER

Joe Waitak

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96	AR	35	Toda, M., et al., "Herpes Simplex Virus as an In Situ Cancer Vaccine for the Induction of Specific Anti-Tumor Immunity," <i>Hum. Gene. Ther.</i> 10:385-393 (February 1999).
1	AS	35	Ueki, K., et al., "CDKN2/p16 or RB Alterations Occur in the Majority of Glioblastomas and Are Inversely Correlated," <i>Cancer Res.</i> 56:150-153 (1996).
1	AT	35	Vile, R.G. and Hart, I.R., "In Vitro and in Vivo Targeting of Gene Expression to Melanoma Cells," <i>Cancer Res.</i> 53:962-967 (1993).

EXAMINER	<i>Joe L. Wintch</i>	DATE CONSIDERED	4/24/03
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	AP						Yes No

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7W	AR	<u>36</u>	Vile, R.G., "Tumor-specific gene expression," <i>Semin. Cancer Biol.</i> 5:429-436 (1994).
1	AS	<u>36</u>	Walther, W., and Stein, U., "Targeted Vectors for Gene Therapy of Cancer and Retroviral Infections," <i>Mol. Biotechnol.</i> 6:267-286 (1996).
1	AT	<u>36</u>	Walther, W. and Stein, U., "Cell type specific and inducible promoters for vectors in gene therapy as an approach for cell targeting," <i>J. Mol. Med.</i> 74:379-392 (1996).

EXAMINER <i>Joe W. Bittler</i>	DATE CONSIDERED 4/24/03
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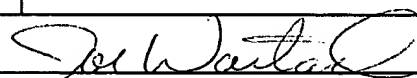
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

9w	AR	<u>37</u>	Wei, M.X., et al., "Experimental Tumor Therapy in mice Using the Cyclophosphamide-Activating Cytochrome P450 2B1 Gene," <i>Hum. Gene Ther.</i> 5:969-978 (1994).
1	AS	<u>37</u>	Yang, C., et al., "Paired-Like Homeodomain Proteins, Phox2a and Phox2b, are Responsible for Noradrenergic Cell-Specific Transcription of the Dopamine β -hydroxylase Gene," <i>J. Neurochem.</i> 71: 1813-1826 (1998).
1	AT	<u>37</u>	Nakamura, H., et al., "Oncolysis of Colon Carcinoma Liver Metastasis in Genetically Engineered HSV-1 Vector MTB34.5," <i>Proc. Am. Assoc. Cancer Res. Ann. Meet.</i> 41:466 Abstract No. 2970 (March 2000).

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4/24/03

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>GW</i>	AR	<u>38</u>	Yoon, S.S. and Tanabe, K.K., "Surgical Treatment and Other Regional Treatments for Colorectal Cancer Liver Metastases," <i>Oncologist</i> . 4:197-208 (1999).
	AS	<u>38</u>	Yoon, S.S., et al., "An Oncolytic Herpes-Simplex Virus Type 1 Selectively Destroys Diffuse Liver Metastases from Colon Carcinoma," <i>FASEB J.</i> 14:301-311 (February 2000). <i>(duplicate of record)</i>
<i>GW</i>	AT	<u>38</u>	Munaut, C., et al., "Murine Matrix Metalloproteinase 9 Gene," <i>J. Biol. Chem.</i> 274:5588-5596 (1999).

EXAMINER

Joe W. Wartak

DATE CONSIDERED

4/24/05

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